## Contents

Achenbach, F., s. Kessler, D	71	Li, CW., Volcani, B. E., Studies on the Biochemistry and Fine	
Akitaya, Tatsuo, s. Ueda, Tetsuo	219	Structure of Silica Shell Formation in Diatoms. VIII.	
Amrhein, N., s. Smart, Cheryl C	87	Morphogenesis of the Cell Wall in a Centric Diatom, Ditylum	
Bassi, P., s. Cionini, P. G	106	brightwellii	10
Bennici, A., Caffaro, L., Caryological Behavior During the First		Li, CW., Volcani, B. E., Studies on the Biochemistry and Fine	
Phases of Dedifferentiation and Habituation in Nicotiana		Structure of Silica Shell Formation in Diatoms. IX. Sequential	
bigelovii	130	Valve Formation in a Centric Diatom, Chaetoceros rostratum	30
Boss, W. F., s. Kanchanapoom, K	65	Li, CW., Volcani, B. E., Studies on the Biochemistry and Fine	
Brightman, A. O., s. Kanchanapoom, K	65	Structure of Silica Shell Formation in Diatoms. X.	
Brown, R. C., Lemmon, B. E., Preprophasic Establishment of		Morphogenesis of the Labiate Process in Centric Diatoms.	147
Division Polarity in Monoplastidic Mitosis of Hornworts .	175	Ormrod, J. C., Francis, D., Effects of Light on the Cell Cycle in	
Caffaro, L., s. Bennici, A	130	the Shoot Apex of Silene coeli-rosa L. on the First Day of	
Carr, D. J., Carr, S. G. M., Lenz, Janette R., Oriented Arrays of		Floral Induction	96
Epicuticular Wax Plates in Eucalyptus Species	205	Ozias-Akins, Peggy, s. Rao, P. S	80
Carr, S. G. M., s. Carr, D. J	205	Rao, P. S., Ozias-Akins, Peggy, Plant Regeneration Through	
	213	Somatic Embryogenesis in Protoplast Cultures of	
Chestnut, M. H., Plasma Membrane Regeneration in the		Sandalwood (Santalum album L.)	80
Myxomycete Badhamia utricularis	52	Ruppel, H. G., s. Weidinger, Marieluise	184
Cionini, P. G., Bassi, P., Cremonini, R., Cavallini, A.,		Smart, Cheryl, C., Amrhein, N., The Influence of Lignification	
Cytological Localization of Fast Renaturing and Satellite		on the Development of Vascular Tissue in Vigna radiata L.	87
DNA Sequences in Vicia faba	106	Schnepf, E., Deichgräber, G., Drebes, G., Food Uptake and the	
Cionini, P. G., Zolfino, C., Cavallini, A., Extra DNA Synthesis in		Fine Structure of the Dinophyte Paulsenella sp., an	
the Dedifferentiating Cells of Vicia faba Roots	213	Ectoparasite of Marine Diatoms	188
Cremonini, R., s. Cionini, P. G	106	Schröder, MB., Ultrastructural Studies on Plastids of	
De Bruijn, W. C., s. Van der Wal, P	1	Generative and Vegetative Cells in Liliaceae. 3. Plastid	
Deichgräber, G., s. Schnepf, E	188	Distribution During the Pollen Development in Gasteria	
Doman, Diane C., Trelease, R. N., Protein A-Gold		verrucosa (MILL.) DUVAL	123
Immunocytochemistry of Isocitrate Lyase in Cotton Seeds.	157	Staples, R. C., s. Hoch, H. C	112
	188	Trelease, R. N., s. Doman, Diane, C	157
Dumas, C., Knox, R. B., Gaude, T., The Spatial Association of		Ueda, Tetsuo, Hasumoto, Mari, Akitaya, Tatsuo, Kobatake,	
the Sperm Cells and Vegetative Nucleus in the Pollen Grain of		Yonosuke, Two Steady States in Membrane Potential	
	168	Deflection in Relation to Chemoreception and Chemotaxis	,
Francis, D., s. Ormrod, J. C	96	by Physarum polycephalum	219
	168	Volcani, B. E., s. Li, CW 10, 30,	147
Glockmann, Christl, s. Kollmann, R	224	Van der Wal, P., De Bruijn, W. C., Westbroek, P., Cytochemical	
Grimes, H. D., s. Kanchanapoom, K	65	and X-Ray Microanalysis Studies of Intracellular Calcium	
Hasumoto, Mari, s. Ueda, Tetsuo	219	Pools in Scale-Bearing Cells of the Coccolithophorid	
Hoch, H. C., Staples, R. C., The Microtubule Cytoskeleton in		Emiliania huxleyi	1
Hyphae of Uromyces phaseoli Germlings: Its Relationship to		Weidinger, Marieluise, Ruppel, H. G., Ca2+-Requirement for a	
the Region of Nucleation and to the F-Actin Cytoskeleton	112	Blue-Light-Induced Chloroplast Translocation in	
Kanchanapoom, K., Brightman, A. O., Grimes, H. D., Boss, W.		Eremosphaera viridis	184
F., A Novel Method for Monitoring Protoplast Fusion.	65	Westbroek, P., s. Van der Wal, P	1
Kessler, D., Achenbach, F., Change of Contractile Behavior in		Williams, Lynda M., Lafontaine, J. G., An Electron Microscope	
Plasmodia of Physarum polycephalum During Mitosis	71	Thick Section Study of Endomembrane Organization in the	
	168	Myxamoebae of Physarum polycephalum	42
	219	Zolfino, C., s. Cionini, P. G	213
Kollmann, R., Glockmann, Christl, Studies on Graft Unions. I.		Brief Report	
Plasmodesmata Between Cells of Plants Belonging to			
	224	Suzaki, T., Williamson, R. E., Euglenoid Movement in Euglena	127
Lafontaine, J. G., s. Williams, Lynda, M	42	fusca: Evidence for Sliding Between Pellicular Strips Williamson, R. E., s. Suzaki, T	137
	175		131
Lenz, Janette, R., s. Carr, D. J	205	Listed in Current Contents	